EIIS Incident Report
Part A: General Information

Incident #
B000631-001

County: Columbia | Incident Dates: 12/2/1983 through | Year: 1983

State: NY | Total # Affected: 1 | Case #: 32-15

Country: USA | Total Magnitude:

Region: 2

Source: NY Dept. of Environmental Conservation | Weather Conditions:

Environ. Residue Data? No

Incident Type

- [x] Terrest. Animals
- [ ] Terrest. Plants
- [ ] Field Study
- [ ] Aquatic Animals
- [ ] Aquatic Plants

Date Entered: 11/29/2006

Date Updated: 11/29/2006

ABSTRACT

A hunter found a dead wildl turkey in an orchard that had been treated for pine voles. Analysis of the crop contents found 440 ppm of zinc phosphide.

Pesticide(s):

EIIS Incident Report
Part B: Pesticide Information

Incident #: B000631-001

Pesticide Name	P.C. Code	Product	Formulation	Pesticide Type
Zinc phosphide	088601			R

Treatment Site	Legality of Use	Method of Application	Air/Gnd	Application Rate
N/R	Undetermined			

Certainty Index	Certainty Discussion
Highly probable	Zinc phoshide poisoning was confirmed by residues measured in the crop contents.

Pesticide Type Codes: H=Herbicide, I=Insecticide, F=Fungicide, R= Rodenticide, A=Acaricide, O=Other

EIIS Incident Report
Part C: Species Information
Incident #: B000631-001

Common Name	Wild turkey	Response	Mortality
Species Name	Meleagris gallopavo	Number Affected	1
Taxon	Bird	Magnitude Description	
Age		Habitat	Orchard

Exposure:	Type: Ingestion	Distance from Treatment: On site			
Necropsies:	Number: 1	Carcass Condition:			
Cholinesterase:	Activity (um/g/min):	to	Percent of Normal:	to	# Analyzed: 1

Chemical Residue Analysis? Yes

EIIS Incident Report

Residues in Biotic Samples

Incident # B000631-001

Species Name	Sample Type	PC Code	Chemical	Conc. (ppm)	N	Range (ppm)
Wild turkey	Crop contents	088601	Zinc phosphide	440	1	-

~~088602~~ 088601 2189 B000631-001

Only crop -- Not raised

32-15

New York State Department of Environmental Conservation
Wildlife Resources Center, Delmar, NY 12054-9767

Henry G. Williams
Commissioner

Personal privacy information December 22, 1983

[redacted]
Hudson, NY 12534

Dear [redacted]:

I have done the necropsy on the wild turkey you submitted from Columbia County. I believe the cause of death is Zinc Phosphide poisoning.

A test for Zinc phosphide has been ordered from our chemist at the Hale Creek Field Station. I will let you know when I have the confirming chemistry. Unfortunately, our chemistry is very slow.

Sincerely yours,

Ward Stone
Associate Wildlife Pathologist

WS/pap

cc: J. Glidden
S. Free

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAME RESEARCH SECTION

AUTOPSY REPORT

NUMBER	DATE	SEX	SPECIES
32-15	12-2-83	Ad. ♀	Wild Turkey

ANIMAL FROM: Greenport, Columbia

SUBMITTED BY: [redacted] (found dead by hunter in orchard that had been treated for pest mites)

DATE DIED: found 12-1-83

CONDITION OF CARCASS:

GROSS WEIGHT: 3884g

HISTORY: 1 mi So. of RVW bridge

GROSS P. M. FINDINGS: Good flesh, little sc. fat. Some atrophy of mesenteric fat. Lungs pooled with blood. Enteritis in upper intestines (±25cm.). Some hemorrhaging in inner leg muscles. Garlicky smell from crop contents.

HISTOPATHOLOGY: Tissues submitted – eye, brain, tongue, salivary gland, lungs, heart, esophagus, stomach (P & G), S.I., L.I., cecum, liver, spleen, kidney, U. bladder, adrenal, pancreas, ovaries, uterus, testis, lymph nodes, ( ) other.

PATH NO.	FINDINGS:

ECTOPARASITES (Species and Total Number)

ENDOPARASITES (Species and Total Number)

BACTERIOLOGY Organs	Media	Results

GROSS PHOTOGRAPHS	PHOTOMICROGRAPHS

COMMENTS:

82-15-39 (5/79) Formerly DFG-343

Personal privacy information

file

Ward Stone
Samuel J. Jackling
Zinc Phosphide Analysis

December 20, 1983

The crop contents of a wild turkey, Lab #1244-83-H (Tag #32-15), was analyzed for Zinc Phosphide.

The concentration was: 0.044% Zn Phosphide = 440 ppm. 44,000 ppm

The method of analysis was: Zn Phosphide EPA-1, USEPA Manual of Chemical Methods for Pesticides and Devices.

Confirmatory analysis was done by Zn Phosphide EPA-2.

SJJ:dh
cc: L. Skinner/R. Sloan

Samuel J. Jackling
Associate Analytical Chemist
Hale Creek Field Station

.00.044.0

4410 ppm or mg/kg

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Samuel J. Jackling
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cc: L. Skinner/R. Sloan

Samuel J. Jackling
Associate Analytical Chemist
Hale Creek Field Station

.00.0440

440 ppm or mg/kg